

Title (en)
AUTOMATED SHEET PRODUCT DISPENSER

Title (de)
AUTOMATISIERTER TUCHPRODUKTSPENDER

Title (fr)
DISTRIBUTEUR AUTOMATIQUE DE PRODUITS DE TYPE FEUILLES

Publication
EP 2066210 A2 20090610 (EN)

Application
EP 07853747 A 20071003

Priority
• US 2007080311 W 20071003
• US 84920906 P 20061003
• US 84919406 P 20061003

Abstract (en)
[origin: WO2008042962A2] A sheet product dispenser includes a sheet product feed mechanism coupled to a DC stepper motor, the mechanism moving a sheet product out of the dispenser during a dispense cycle; and a control unit controlling the DC stepper motor to move the sheet product with a gradually increasing acceleration during a portion of the dispense cycle.

IPC 8 full level
A47K 10/36 (2006.01)

CPC (source: EP US)
A47K 10/34 (2013.01 - US); **A47K 10/36** (2013.01 - US); **A47K 10/3656** (2013.01 - EP US); **B65H 16/005** (2013.01 - US); **B65H 20/02** (2013.01 - US); **A47K 10/3612** (2013.01 - EP US); **A47K 10/3625** (2013.01 - EP US); **A47K 2010/3668** (2013.01 - EP US); **A47K 2010/3881** (2013.01 - EP US)

Citation (search report)
See references of WO 2008042962A2

Citation (examination)
US 2003132261 A1 20030717 - FORMON JOHN S [US], et al

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
WO 2008042962 A2 20080410; WO 2008042962 A3 20080717; CA 2664846 A1 20080410; CA 2664846 C 20141223; CA 2664853 A1 20080410; CA 2664853 C 20161018; CN 101522085 A 20090902; CN 101522085 B 20130327; EP 2066210 A2 20090610; EP 2066211 A2 20090610; MX 2009003432 A 20090414; RU 2009116633 A 20101110; RU 2425617 C2 20110810; US 2008078777 A1 20080403; US 2008128446 A1 20080605; US 2011253828 A1 20111020; US 2013306785 A1 20131121; US 2013306786 A1 20131121; US 7984872 B2 20110726; US 8919688 B2 20141230; US 9027871 B2 20150512; US 9144352 B2 20150929; WO 2008042964 A2 20080410; WO 2008042964 A3 20080724

DOCDB simple family (application)
US 2007080311 W 20071003; CA 2664846 A 20071003; CA 2664853 A 20071003; CN 200780037029 A 20071003; EP 07853747 A 20071003; EP 07853751 A 20071003; MX 2009003432 A 20071003; RU 2009116633 A 20071003; US 2007080316 W 20071003; US 201113169683 A 20110627; US 201313951711 A 20130726; US 201313951718 A 20130726; US 86651007 A 20071003; US 86651507 A 20071003